

**Preliminary Amendment**

Applicant: Thane M. Larson et al.

Filed: Herewith

Docket No.: 10012577-2

Title: LCD PANEL FOR A SERVER SYSTEM

**Divisional Application of:**

Applicant: Thane M. Larson et al.

Serial No. 09/923,747

Filed: August 7, 2001

Docket No.: 10012577-1

Title: LCD PANEL FOR A SERVER SYSTEM

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**REMARKS**

This Preliminary Amendment modifies the above-identified U.S. Divisional Patent Application filed herewith. In this Preliminary Amendment claims 1-14 have been cancelled without prejudice, and claims 19-34 have been added. Clarifying amendments have been made to the Summary of the Invention and the Abstract, and typographical errors on page 4 of the specification have been corrected. **Applicants request that filing fees be calculated on the basis of entry of this Preliminary Amendment.** Claims 15-34 remain in the application and are presented for consideration and allowance.

It is believed that all claims of this application are in condition for allowance. A notice to that effect is respectfully requested.

Any inquiry regarding this Preliminary Amendment should be directed to either Jeff A. Holmen, Esq. at Telephone No. (612) 573-0178, Facsimile No. (612) 573-2005 or David A. Plettner, Esq. at Telephone No. (408) 447-3013, Facsimile No. (408) 447-0854. In addition, all correspondence should continue to be directed to the following address:

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Respectfully submitted,

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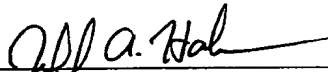
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**CERTIFICATE UNDER 37 C.F.R. 1.10**

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The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231



Name: John A. Parker

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Thane M. Larson  
Filed: Herewith  
Docket No.: 10012577-2 (H300.173.101)  
Title: LCD PANEL FOR A SERVER SYSTEM

VERSION WITH MARKINGS  
TO SHOW CHANGES MADE

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Examiner: Thanh S. Phan  
Group Art Unit: 2841  
Docket No.: 10012577-1(H300.173.101)

Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir/Madam:

This Preliminary Amendment modifies the U.S. Divisional Patent Application filed herewith. Please amend the above-identified application as follows:

**IN THE SPECIFICATION**

Please replace the paragraph beginning at page 2, line 6 with the following rewritten paragraph:

~~One form of the present invention provides a server system including a plurality of printed circuit assemblies. A server management card coupled to the plurality of printed circuit assemblies monitors and manages operation of the server system. The server management card receives and stores status information from the plurality of printed circuit assemblies. A first LCD panel is mounted on the server system and is coupled to the server management card. The first LCD panel provides a user interface for configuring the server management card and accessing the stored status information from the server management card.~~  
One form of the present invention provides an LCD panel configured to be attached to a server system and coupled to a management card of the server system. The panel includes an LCD display, a plurality of alphanumeric keys for entering alphanumeric strings that are displayed on the LCD display, and a plurality of navigation keys for navigating through a menu displayed on the LCD display and selecting menu items.

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Please replace the paragraph beginning at page 4, line 19 with the following rewritten paragraph:

--In one embodiment, two types of host processor cards 300A may be used in server system 100 – PA-RISC host processor cards and IA32 host processor cards. Multiple host processor cards 300A and hard disk cards 300B are used in embodiments of server system 100, but are each represented by a single card in Figure 3 to simply-simplify the figure. In one form of the invention, up to 8 host processor cards 300A are used in the 10 slot configuration, and up to 16 host processor cards 300A are used in the 19 slot configuration. In one embodiment, each of cards 300 can be hot swapped.--

Please replace the paragraph beginning on page 23, line 4 with the following rewritten paragraph:

~~--AcPCI server system includes a plurality of printed circuit assemblies. A server management card coupled to the plurality of printed circuit assemblies monitors and manages operation of the server system. The server management card receives and stores status information from the plurality of printed circuit assemblies. A first LCD panel is mounted on the server system and is coupled to the server management card. The first LCD panel provides a user interface for configuring the server management card and accessing the stored status information from the server management card.~~An LCD panel configured to be attached to a server system and coupled to a management card of the server system includes an LCD display. The panel includes a plurality of alphanumeric keys for entering alphanumeric strings that are displayed on the LCD display, and a plurality of navigation keys for navigating through a menu displayed on the LCD display and selecting menu items.--

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**IN THE CLAIMS**

Please cancel claims 1-14 without prejudice and add newly presented claims 19-34 as follows:

1.(Cancelled) ~~A server system comprising:~~

~~—— a plurality of printed circuit assemblies;~~

~~—— a server management card coupled to the plurality of printed circuit assemblies for monitoring and managing operation of the server system, the server management card receiving and storing status information from the plurality of printed circuit assemblies; and~~

~~a first LCD panel mounted on the server system and coupled to the server management card, the first LCD panel providing a user interface for configuring the server management card and accessing and manipulating the stored status information from the server management card.~~

2.(Cancelled) ~~The server system of claim 1, wherein the first LCD panel includes an LCD display, and a plurality of alphanumeric keys for entering alphanumeric information.~~

3.(Cancelled) ~~The server system of claim 2, wherein the first LCD panel further includes a plurality of navigation keys for navigating through menus displayed on the LCD display.~~

4.(Cancelled) ~~The server system of claim 1, wherein the server management card includes a set of user interfaces in addition to the first LCD panel for configuring the server management card and accessing the stored status information from the server management card.~~

5.(Cancelled) ~~The server system of claim 4, wherein the set of user interfaces to the server management card includes at least one of a second LCD panel, a serial interface, and a LAN interface.~~

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6.(Cancelled) ~~The server system of claim 4, wherein the first LCD panel includes a lockout key for arbitrating control of the server management card between the first LCD panel and the set of user interfaces.~~

7.(Cancelled) ~~The server system of claim 6, wherein the lockout key includes an associated LED for indicating a lockout status.~~

8.(Cancelled) ~~The server system of claim 1, wherein the first LCD panel is mounted on a front panel of the server system, the server system further comprising a second LCD panel substantially similar to the first LCD panel mounted on a back panel of the server system.~~

9.(Cancelled) ~~A method of communicating with a computer system to configure the computer system and obtain status information from cards fitted in the computer system, the method comprising:~~

~~—— providing a management card in the computer system;~~

~~—— transmitting status information from the cards fitted in the computer system to the management card;~~

~~—— providing a first LCD panel mounted on the computer system and coupled to the management card;~~

~~—— transmitting the status information from the management card to the first LCD panel;~~

~~—— displaying the received status information on an LCD display of the first LCD panel;~~

~~—— entering configuration information on a keypad of the first LCD panel;~~

~~—— transmitting the configuration information from the first LCD panel to the management card; and~~

~~—— storing the configuration information on the management card.~~

10.(Cancelled) ~~The method of claim 9, and further comprising:~~

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~~providing a set of user interfaces to the management card including at least one serial port interface and at least one LAN interface.~~

~~11.(Cancelled)The method of claim 10, wherein the set of user interfaces further includes a second LCD panel.~~

~~12.(Cancelled)The method of claim 10 or claim 11, and further comprising:~~

~~——— pressing a lockout key on the keypad of the first LCD panel, thereby gaining control of the management card and locking out control of the management card through one of the interfaces in the set of user interfaces.~~

~~13.(Cancelled)The method of claim 12, and further comprising:~~

~~——— providing a lockout status indication on the first LCD panel to indicate a lockout status.~~

~~14.(Cancelled)The method of claim 9, and further comprising:~~

~~——— navigating through a menu displayed on the LCD display of the first LCD panel using navigation keys on the LCD panel.~~

15. An LCD panel configured to be attached to a computer system and coupled to a management card of the computer system, the LCD panel comprising:

an LCD display;

a plurality of alphanumeric keys for entering alphanumeric strings that are displayed on the LCD display; and

a plurality of navigation keys for navigating through a menu displayed on the LCD display and selecting menu items.

16. The LCD panel of claim 15, and further comprising:

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a lockout key for gaining and releasing control of the management card.

17. The LCD panel of claim 16, and further comprising:

an LED associated with the lockout key for indicating a lockout status.

18. The LCD panel of claim 15, wherein the LCD panel is configured to retrieve and display computer status information, and transmit computer configuration information.

19.(Newly Presented) The LCD panel of claim 17, wherein the LED is off when the management card is not being controlled by a user.

20.(Newly Presented) The LCD panel of claim 17, wherein the LED is on when the management card is being controlled through the LCD panel.

21.(Newly Presented) The LCD panel of claim 17, wherein the LED flashes on and off when the management card is being controlled through a connection other than the LCD panel.

22.(Newly Presented) The LCD panel of claim 15, wherein the LCD panel is configured to display error information during start-up of the server system.

23.(Newly Presented) The LCD panel of claim 15, wherein the LCD display is a 2 x 20 display.

24.(Newly Presented) An LCD panel configured to be coupled to a management card of a server system, the LCD panel comprising:

user input means for entering data;

display means for displaying information; and



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lockout means for gaining control of the management card, thereby preventing control of the management card through connections other than the LCD panel.

25.(Newly Presented) The LCD panel of claim 24, wherein the user input means includes a plurality of alphanumeric keys for entering alphanumeric strings.

26.(Newly Presented) The LCD panel of claim 25, wherein the user input means includes a plurality of navigation keys for navigating through a menu displayed by the display means and selecting menu items.

27.(Newly Presented) The LCD panel of claim 24, and further comprising:  
light emitting means associated with the lockout means for indicating a lockout status.

28.(Newly Presented) The LCD panel of claim 27, wherein the light emitting means is off when the management card is not being controlled by a user.

29.(Newly Presented) The LCD panel of claim 27, wherein the light emitting means is on when the management card is being controlled through the LCD panel.

30.(Newly Presented) The LCD panel of claim 27, wherein the light emitting means flashes on and off when the management card is being controlled through a connection other than the LCD panel.

31.(Newly Presented) The LCD panel of claim 24, and further comprising:  
means for retrieving server status information from the management card.

32.(Newly Presented) The LCD panel of claim 24, and further comprising:  
means for transmitting server configuration information to the management card.

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33.(Newly Presented) The LCD panel of claim 24, wherein the LCD panel is configured to display error information during start-up of the server system.

34.(Newly Presented) A method of sending and receiving information with an LCD panel, the method comprising:

connecting the LCD panel to a management card of a server system;

gaining control of the management card by pressing a lockout key on the LCD panel;

entering data with alphanumeric keys of the LCD panel;

transmitting entered data to the management card; and

displaying information received from the management card on an LCD display of the LCD panel.